

# Produktdatablad

Specifikationer



## Harmony trykknaphoved i metal med fjeder-retur og plan trykflade i grøn farve

El-nr.:

7517803162

ZB4BA3

EAN-nr: 3389110895742

### Egenskaber

Produktserie	Harmony XB4
Produkttype	Hoved til trykknop
Enhedsforkortelse	ZB4
Materiale og farve på frontring	Forkromet metal
Montagediameter	22,5 mm
Mindst mulige salgsantal	1
Hovedtype	Standard
Form på hoved	Rundt
Betjeningsprofil	fjeder-retur
Betjeningsprofil	Grøn Plan, Uden mærkning
Farve på trykflade eller linse	Grøn

### Produktinformationer

Bredde	29 mm
Højde	29 mm
Dybde	28 mm
Mekanisk holdbarhed	10000000 kredsløb
Kode for elektrisk sammensætning	C1 til <9 kontakter benytter enkelt blokke i Montering forfra C2 til <9 kontakter benytter enkelt og dobbelt blokke i Montering forfra C11 til <3 kontakter benytter enkelt blokke i Montering forfra C15 til <1 kontakter benytter enkelt blokke i Montering forfra
Konstruktion	Som løsdele

### Miljø

Beskyttelsesbehandling	TH
Omgivelsestemperatur ved opbevaring	-40...70 °C
Omgivelsestemperatur under drift	-40...70 °C
Overspændingskategori	Klasse I conforming to IEC 60536
IP kapslingsklasse	IP66 i henhold til IEC 60529 IP67 IP69 IP69K
NEMA kapslingsklasse	NEMA 13 NEMA 4X
IP kapslingsklasse	IK06 conforming to IEC 50102

<b>Standarder</b>	JIS C8201-5-1 UL 508 IEC 60947-5-5 CSA C22.2 No 14 IEC 60947-5-1 IEC 60947-1 IEC 60947-5-4 JIS C8201-1
<b>Produktcertificeringer</b>	BV CSA DNV LROS (Lloyds register of shipping) UL listet
<b>Vibrationsmodstand</b>	5 gn (f= 2...500 Hz) conforming to IEC 60068-2-6
<b>Modstandsdygtighed overfor stød</b>	30 gn (varighed = 18 milisekund) til Halv sinusbølge acceleration i henhold til IEC 60068-2-27 50 gn (varighed = 11 milisekund) til Halv sinusbølge acceleration i henhold til IEC 60068-2-27

## Forpakkingsinformation

<b>Enhedstype af pakke 1</b>	PCE
<b>Antal enheder i pakke 1</b>	1
<b>Pakke 1 Højde</b>	4,800 cm
<b>Pakke 1 Længde</b>	3,400 cm
<b>Package 1 Length</b>	5,400 cm
<b>Pakke 1 Vægt</b>	28,000 g
<b>Enhedstype af pakke 2</b>	S03
<b>Antal enheder i pakke 2</b>	300
<b>Pakke 2 Højde</b>	30,000 cm
<b>Pakke 2 Bredde</b>	30,000 cm
<b>Pakke 2 Længde</b>	40,000 cm
<b>Pakke 2 Vægt</b>	8,939 kg
<b>Enhedstype af pakke 3</b>	P06
<b>Antal enheder i pakke 3</b>	2400
<b>Pakke 3 Højde</b>	75,000 cm
<b>Pakke 3 Bredde</b>	60,000 cm
<b>Pakke 3 Længde</b>	80,000 cm
<b>Pakke 3 Vægt</b>	81,404 kg

## Logistik informationer

<b>Oprindelsesland</b>	FR
------------------------	----

## Garanti

<b>Garanti</b>	18 months
----------------	-----------

## Environmental Data

Schneider Electric's mål er at opnå Net Zero-status i 2050 gennem partnerskaber med forsyningskæden, materialer med lavere påvirkning og cirkularitet via vores igangværende kampagne "Use Better, Use Longer, Use Again" for at forlænge produkternes levetid og genbrugelighed.

[Forklaring af Environmental Data >](#)

[Sådan vurderer vi produktets bæredygtighed >](#)

### Miljøfodaftryk

CO2-belastning (kg CO2 eq.) 1

Miljøoplysning [Miljøprofil for produkt](#)

### Use Better

#### Materialer og emballage

Pakke med genbrugspap Yes

Emballage uden plast Yes

[EU RoHS-direktivet](#) Proaktiv overensstemmelse (produkt ikke omfattet af EU RoHS)

Reach-forordning [REACH-erklæring](#)

### Use Again

#### Ompakning og genfremstilling

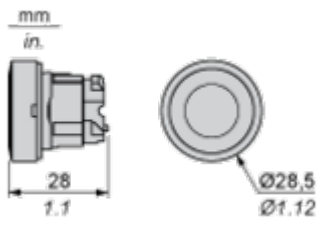
Cirkularitetsprofil [Oplysninger om udtjent udstyr](#)

Returnering No

Dimensions Drawings

Dimensions

---



Mounting and Clearance

Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)

Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board	Connection by Faston Connectors
	
<p>(1) Diameter on finished panel or support                  (2) 40 mm min. / 1.57 in. min.                  (3) 30 mm min. / 1.18 in. min.                  (4) <math>\varnothing 22.5 \text{ mm} / 0.89 \text{ in.}</math> recommended (<math>\varnothing 22.3 \text{ mm}_0^{+0.4} / 0.88 \text{ in.}_0^{+0.016}</math>)                  (5) 45 mm min. / 1.78 in. min.                  (6) 32 mm min. / 1.26 in. min.</p>	

Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

Panel Cut-outs (Viewed from Installer's Side)

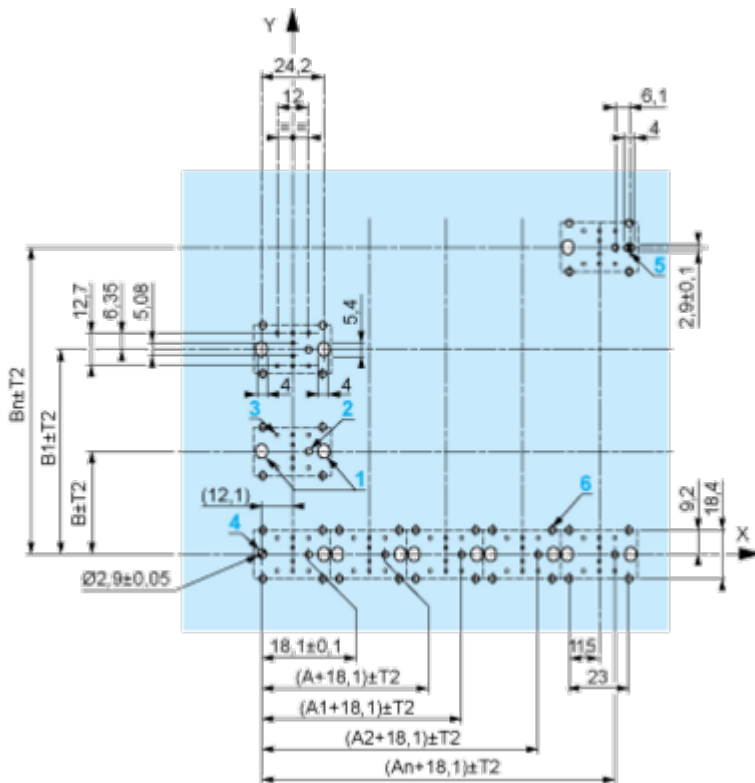


A: 30 mm min. / 1.18 in. min.

B: 40 mm min. / 1.57 in. min.

Printed Circuit Board Cut-outs (Viewed from Electrical Block Side)

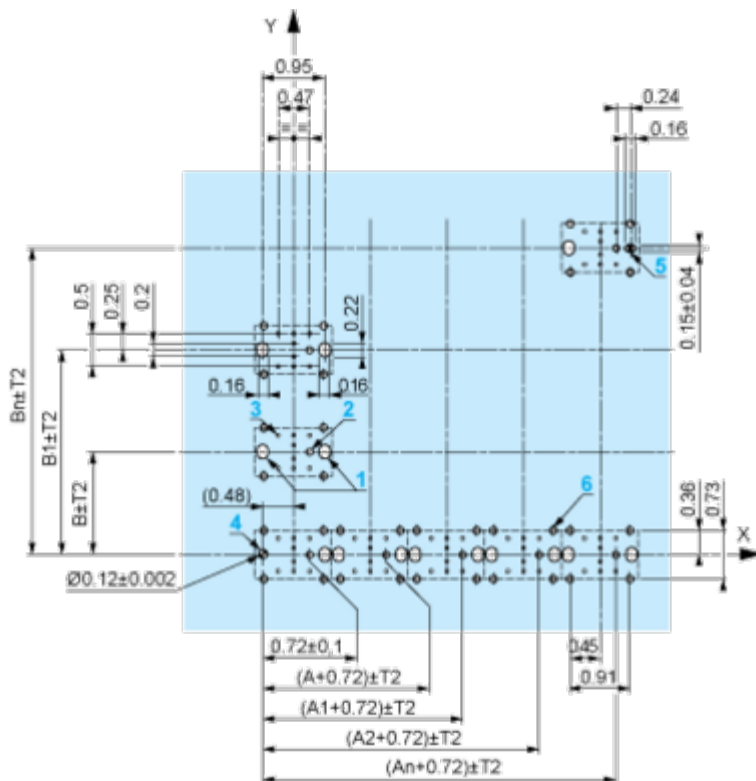
Dimensions in mm



A: 30 mm min.

B: 40 mm min.

Dimensions in in.



A: 1.18 in. min.

B: 1.57 in. min.

**General Tolerances of the Panel and Printed Circuit Board**

The cumulative tolerance must not exceed 0.3 mm / 0.012 in: T1 + T2 = 0.3 mm max.

**Installation Precautions**

- Minimum thickness of circuit board: 1.6 mm / 0.06 in.
- Cut-out diameter: 22.4 mm ± 0.1 / 0.88 in. ± 0.004
- Orientation of body/fixing collar ZB4 BZ009: ± 2° 30' (excluding cut-outs marked a and b).
- Tightening torque of screws ZBZ 006: 0.6 N.m (5.3 lbf.in) max.
- Allow for one ZB4 BZ079 fixing collar/pillar and its fixing screws:
  - every 90 mm / 3.54 in. horizontally (X), and 120 mm / 4.72 in. vertically (Y).
  - with each selector switch head (ZB4 BD\*, ZB4 BJ\*, ZB4 BG\*).

The fixing centers marked a and b are diagonally opposed and must align with those marked 4 and 5.



(1) Panel

(2) Printed circuit board

**Mounting of Adapter (Socket) ZBZ 01•**

- 1 2 elongated holes for ZBZ 006 screw access
- 2 1 hole  $\varnothing$  2.4 mm  $\pm$  0.05 / 0.09 in.  $\pm$  0.002 for centring adapter ZBZ 01•
- 3 8  $\times$   $\varnothing$  1.2 mm / 0.05 in. holes
- 4 1 hole  $\varnothing$  2.9 mm  $\pm$  0.05 / 0.11 in.  $\pm$  0.002, for aligning the printed circuit board (with cut-out marked a)
- 5 1 elongated hole for aligning the printed circuit board (with cut-out marked b)
- 6 4 holes  $\varnothing$  2.4 mm / 0.09 in. for clipping in adapter ZBZ 01•

Dimensions An + 18.1 relate to the  $\varnothing$  2.4 mm  $\pm$  0.05 / 0.09 in.  $\pm$  0.002 holes for centring adapter ZBZ 01•.

Technical Description

Electrical Composition Corresponding to Code C1

---

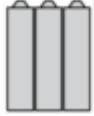


Electrical Composition Corresponding to Code C2

---



Electrical Composition Corresponding to Codes C9, C11, SF1 and SR1



Electrical Composition Corresponding to Code C15

---

1 N/O



1 N/C



1 N/O + N/C or 1 N/O + N/O or 1 N/C + N/C



## Legend

---

Single contact



Double contact



Light block

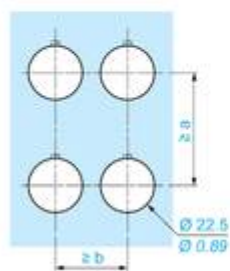
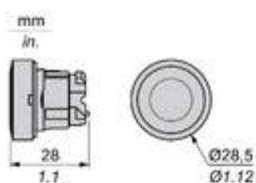


Possible location



Technical Illustration

Dimensions



		a (mm)	a (in.)	b (mm)	b (in.)
		40	1.57	30	1.18
ZBE.....	ZBV.....				
		45	1.77	32	1.26
ZBE.....3	ZBV.....3				
		40	1.57	30	1.18
ZBE.....4	ZBV.....4				
		50	1.97	30	1.18
ZBE.....5	ZBV.....5				
		40	1.57	30	1.18
ZBE.....9	ZBV.....9				
		40	1.57	30	1.18
ZBRT●	ZBRV1				

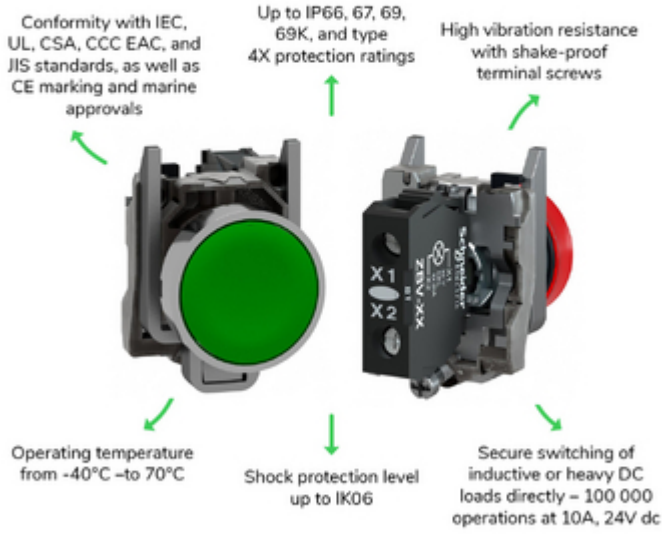
Offer Marketing Illustration

Product benefits / Features

---

## Technical Benefits

### Harmony XB4



Offer Marketing Illustration

Product benefits / Features

---

**Features**  
Harmony XB4






-  Quick and easy assembly and disassembly
-  Excellent mechanical connection with operator head
-  Various types of connection: screw clamp, connector, Faston connector, spring terminal, or printed circuit board
-  Large set of accessories to customize your panels
-  Robustness to withstand harsh environments

Image of product / Alternate images

Alternative

---



